

SN. 10/760,469

ATTORNEY DOCKET NO. MATS:031A

*Kindly replace the Abstract with the following replacement:*

[[A]]In a screen-printing apparatus for printing creamy solder paste on a substrate by attaching a screen mask to the substrate. A laser-measuring device mounted in the apparatus measures the top surface of the screen mask at a printing position and the top of the substrate at a substrate-measurement position, a predetermined measuring position of the mechanisms in the screen-printing apparatus is measured three-dimensionally by a three-dimensional measurementmeasuring device. Based on the measured result, a predetermined measuring point on an object to be measured is determined on a position relative to the origin of the mechanical coordinate system in the screen-printing apparatus, and the origin position on a control program can be set, and detects a shape of the substrate or the screen mask, and determines whether or not they are acceptable. After screen printing is completed, the substrate and the screen mask undergo a printing inspection where their shapes are inspected. This provides not only inspection data of the printing results but also data for identifying the causes of print failures. As a result, the screen-printing apparatus, which has high-printing accuracy and can prevent printing failures from occurring, is providedmachine adjusting operation and teaching operation in the screen-printing apparatus can be simplified with high accuracy.